boxy, O-carboxy, sulfonamido, guanyl, guanidinyl, hydrazine, hydrazide, thiohydrazide, and amino,

wherein when R_2 is hydrogen, the dashed line represents an unsaturated bond,

and wherein R_1 is not phenyl, 2,4,6-trimethylphenyl, 4-trifluoromethylphenyl, 4-chlorophenyl or 2,6-dichlorophenyl.

15. The compound of claim **14**, wherein the dashed line represents an unsaturated bond.

16. The compound of claim **15**, wherein R_2 is hydrogen.

17. The compound of claim **14**, wherein R_2 is selected from the group consisting of hydrogen, halo and O-carboxy.

18. The compound of claim **14**, wherein R_1 is a substituted or non-substituted aryl or a substituted or non-substituted indolyl.

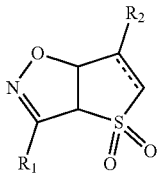
19. The compound of claim **14**, wherein said aryl or heteroaryl is substituted by one or more electron withdrawing groups.

20. The compound of claim **19**, wherein said electron withdrawing groups are halo.

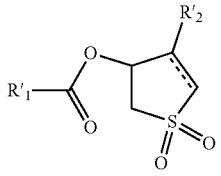
21. The compound according to claim **14**, wherein R_1 is a substituted phenyl.

22. A method of inhibiting nuclear translocation of ERK1/2 in a cell, the method comprising contacting the cell with a compound represented by Formula I or Formula II:

Formula I



Formula II



wherein:

each dashed line independently represents a saturated or unsaturated bond;

R_1 and R'_1 are each independently an aryl or heteroaryl, which is substituted or non-substituted; and

R_2 and R'_2 are each independently selected from the group consisting of hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, heteroalicyclic, halo, hydroxy, alkoxy, aryloxy, thiohydroxy, thioalkoxy, thioaryloxy, sulfinyl, sulfonyl, sulfonate, sulfate, cyano, nitro, azide, phosphonyl, phosphinyl, carbonyl, thiocarbonyl, a urea group, a thiourea group, O-carbamyl, N-carbamyl, O-thiocarbamyl, N-thiocarbamyl, C-amido, N-amido, C-carboxy, O-carboxy, sulfonamido, guanyl, guanidinyl, hydrazine, hydrazide, thiohydrazide, and amino,

wherein when R_2 is hydrogen, the dashed line in Formula I represents an unsaturated bond, and when R'_2 is hydrogen, the dashed line in Formula II represents an unsaturated bond,

thereby inhibiting the nuclear translocation of ERK1/2.

23. The method of claim **22**, being effected ex vivo.

24. The method of claim **22**, wherein said dashed line represents an unsaturated bond.

25. The method of claim **24**, wherein R_2 and R'_2 are hydrogen.

26. The method of claim **22**, wherein R_2 and R'_2 are each independently selected from the group consisting of hydrogen, halo and O-carboxy.

27. The method of claim **22**, wherein R_1 and R'_1 are each independently a substituted or non-substituted aryl or a substituted or non-substituted indolyl.

28. The method of claim **22**, wherein said aryl or heteroaryl is substituted by one or more electron withdrawing groups.

29. The method of claim **28**, wherein said electron withdrawing groups are halo.

30. The method of claim **22**, wherein R_1 and R'_1 are each independently phenyl.

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